LPC#0316275259
Cookie Miller Yoelin
Cook County
Chicago, Illinois
Superfund/HRS

ILP000510209

CERCLA

Pre-Cerclis Screening Action

Illinois Environmental Protection Agency

PRE-CERCLIS SCREENING ASSESSMENT

For:

Cookie Miller Yoelin ILP000510209
Chicago, Illinois

PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION

May 14, 2007

FIGURES

TABLES

APPENDICES

1.0 INTRODUCTION

On February 22, 2005 the Illinois Environmental Protection Agency (Illinois EPA) was tasked by the Region 5 Offices of the United States Environmental Protection Agency (U.S. EPA) to conduct Pre-CERCLIS Screening Assessments on historic lead sites within the Chicago Metropolitan Area. These properties were identified from historic maps and industrial directories that suggest that lead may have been processed at these facilities. The Pre-CERCLIS Screening Assessment activities will include a review of available information, a visual site reconnaissance, a determination of current land use, and identify the risk for human exposure to potential contaminants on the subject property and adjacent land.

A Pre-CERCLIS Screening Assessment is a review of information on potential Superfund sites to determine if the site should be entered into EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS). During the assessment, information will be collected in order to complete the Pre-CERCLIS Screening Assessment Checklist Form (found in Section 6.0 of the Pre-CERCLIS Report). If there is sufficient information that suggests the site may be impacting human health and the environment, the site will be placed in CERCLIS and will progress through the Superfund investigative process. The Pre-CERCLIS Screening Assessment is performed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) commonly known as Superfund.

2.0 SITE DESCRIPTION

2.1 Site Description

The Cookie Miller Yoelin property is located at 2635 West Taylor Street, Chicago, Illinois. The property is currently vacant with the exception of a large cell phone tower. The site is located in an industrial area of Chicago and is approximately 1600 feet northwest of Douglas Park. The nearest residences lie approximately 1200 feet southwest of the site. The property is bordered by West Taylor Street on the north, railroad tracks on the east and south sides, and South Washtenaw Avenue on the west side. The property is approximately one acre in size and is covered with mature trees over approximately 90% of the site. The property has a fence around a portion of the property that would discourage access although signs of trespassing were observed during the site reconnaissance. The nearest school is approximately 1/10 of a mile to the north. The latitude of the property is 41.869 and the longitude is -87.693.

2.2 SITE HISTORY

Property ownership records were not available. Although, according to a 1923 Sanborn Insurance Map, the address is shown to contain lumber piles. Information indicates that Apex Smelting owned the property in June 1943 and transferred the property to Samuel Cooke on June 23, 1943. It appears the property was owned by Samuel Cooke for approximately six years. A research of the 1948-1949 Standard Metal Directory indicates Cookie Miller Yoelin is not listed in this publication. Samuel Cooke transferred ownership to Liberty National Bank on March 7, 1949. The 1951

Sanborn map identifies the site as a scrap iron yard at the 2635 West Taylor address and Apex Smelting Company occupying the property immediately east. Activities conducted by Apex Smelting included zinc refining and an aluminum foundry. The property is currently owned by Southwestern Bell Mobile Systems LLC. There are no old buildings on the property. The land contains approximately 40,087 square feet. No information was available on State or Federal databases using this location or company name.

3.0 FIELD INSPECTION ACTIVITIES

3.1 FIELD INSPECTION

On March 7, 2007 the Office of Site Evaluation (OSE) conducted a reconnaissance at the 2635 West Taylor Street property and analyzed nine surface sample locations using the X-Ray Flouresence (XRF). The Niton 700 Series XRF is used as a field based site characterization screening tool to test for metals in the soil.

According to the nine separate XRF samples analyzed, there were no readings of lead that were above the Illinois Environmental Protection Agency's State Voluntary Cleanup objective level of 400 ppm. All samples were collected from 0-6 inches. The highest lead reading was 237 ppm (Table 1). Figure 1 illustrates the approximate locations of all XRF samples collected.

4.0 PATHWAY DISCUSSIONS

4.1 GROUND WATER

A database maintained by the Illinois State Geological Survey (ISGS) was used to determine potential drinking water wells in the area surrounding the Cookie Miller Yoelin site. According to the database there is a well located approximately .25 miles away. This well is not thought to be of concern due to the fact that the well is 1600 ft deep. According to the Illinois State Geological Survey (ISGS) the well is an industrial well and the water from this well is not used for drinking water. The information from the ISGS was obtained from the Illinois Natural Resources Geospatial Data Clearinghouse web site which is hosted by the ISGS. Also the contaminant of concern is lead, which does not tend to be mobile in the soil. In addition, contaminants of concern have not been documented to be present at concentrations that would threaten ground water quality. No ground water samples were collected on site to evaluate this pathway due to the fact that the City of Chicago has a ground water ordinance and homeowners in the immediate vicinity are on public water. Therefore, the ground water pathway is not thought to be of concern at this time.

4.2 SURFACE WATER

The surface water pathway is not thought to be of concern due to the fact that the nearest river is the Chicago River, which is .85 miles away to the east. The terrain at the Cookie Miller Yoelin site was mostly flat with a slight slope towards the road. Surface water runoff drains into the storm sewer system. The City of Chicago has a combined sewer system in which rain runoff combines with the sewer system and is

deposited in large storage reservoirs prior to treatment. In the event that there is too much storm water, the combined sewer systems overflow and release untreated storm and waste water into the Chicago River.

4.3 SOIL EXPOSURE

The soil exposure route is not thought to be a concern at this time due to the fact that according to the nine XRF readings collected from the surface, the highest lead reading was 237 ppm, which is below the Illinois Environmental Protection Agency's State Voluntary Cleanup level of 400 ppm. There are no residents living within the facility boundaries and no on-site workers. The nearest resident is approximately 1200 feet to the southwest. A fence secures a portion of the property, although there was evidence of trespassers.

4.4 AIR PATHWAY

The air pathway was not evaluated at this time due to the site being covered with vegetation and trees, therefore the threat of airborne contaminants would be at a minimum. No formal air samples were collected.

5.0 SUMMARY

The purpose of this investigation was to undertake an initial assessment of a number of potentially contaminated historic lead sites within the City of Chicago. Based on available information such as XRF screening, visual observation and historical research

the four pathways of ground water, surface water, soil and air are not thought to be of concern at this time. Therefore it is not thought at this time that the Cookie Miller Yoelin site contains any contaminants at concentrations that would pose a threat to human health or the environment. Also, according to the1951 Sanborn map (Appendix A), Apex Smelting appears to be the portion of the property that contained a zinc refinery and an aluminum foundry. Apex Smelting is the adjacent property to the east of the Cookie Miller Yoelin property. According to Illinois EPA and US EPA databases, the Apex Smelting property has not been investigated.

6.0 REFERENCES

Cook County Assessor's Office, Chicago, IL.

Cook County Recorder of Deeds, Chicago, IL.

Sanborn Fire Insurance Map for Chicago, Volume 12 p.28, 1923

Sanborn Fire Insurance Map for Chicago, Volume 12 p.28, 1951

Standard Metal Directory, 8th edition, 1940, Atlas Publishing Co., NY

Standard Metal Directory, 11th edition, 1948-1949, Atlas Publishing Co., NY

Standard Metal Directory, 1963-1964, Volume XVII, Standard Metal Directory, NY.

Standard Metal Directory, Volume XIX, 1972. Somerset Publishing Co. Inc.

Illinois Environmental Protection Agency TACO Standards.

City of Chicago Department of Water Management web site
http://egov.cityofchicago.org/city/webportal/portalContentItemAction.do?BV_SessionID=@@@@1309201186.1178043689@@@@&BV_EngineID=cccdaddkkjejlikcefecelldffhdfgn.0&contentOID=536910787&contenTypeName=COC_EDITORIAL&topChannelName=Dept&blockName=Water%2FYour+Sewers%2FI+Want+To&context=dept&channelId=0&programId=0&entityName=Water&deptMainCategoryOID=-536892350

7.0 PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the sit investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: __Tony Wasilewski/ EPS III_____ _3/15/07____
Name/Title Date

__1021 North Grand Ave East, Springfield, IL____ 217-557-3200
Address Phone

__Tony.Wasilewski@illinois.gov_____
E-mail Address

Site Name: ___Cookie Miller Yoelin_____

Previous Names (if any): _____

Site Location: ___2635 W. Taylor Street, Chicago, IL_____

Latitude: ____41.869_____ **Longitude:** _____-87.693 _

Complete the following checklist. If Ayes≅ is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	~	X
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	~	X
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	~	X
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	~	X
5. Is some other program actively involved with the site (Federal, VCP, State, or Tribal)?	~	X
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	~	X
7. Are the hazardous substances potentially released at the site excluded by policy considerations (i.e, deferred to RCRA Corrective Action, FIFRA, or Brownfields)?	~	X
8. Is there insufficient data (provided by the State) to verify that a release has occurred or has the potential to occur (i.e., based on potentially unreliable sources or with no information to support the presence of hazardous substances or CERCLA eligible pollutants and contaminants)?	~	X ~
9. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (i.e., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, previous HRS score determined, EPA approved risk assessment completed)?	~	X ~

Please explain all yes answer(s), attach additional sheets if necessary: _____

Site Determination:

~ Yes Enter the site into CERCLIS. Further assessment is recommended (explain below).

X NO The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE: The property is currently vacant with the exception of a communications tower and associated small building. The property is located in an industrial/commercial area away from residential homes. The property at one time had a smelter either on the site or the adjacent property. XRF samples indicate no lead contamination exists.

Regional EPA Reviewer: LAURA J. RIPLEY / Laura J. Ripley 08/06/2007

Print Name/Signature Date

State Agency/Tribe: _____ _____

Print Name/Signature Date

FIGURES
&
TABLES

Figure 1
Cookie Miller Yoelin
XRF Sample Locations

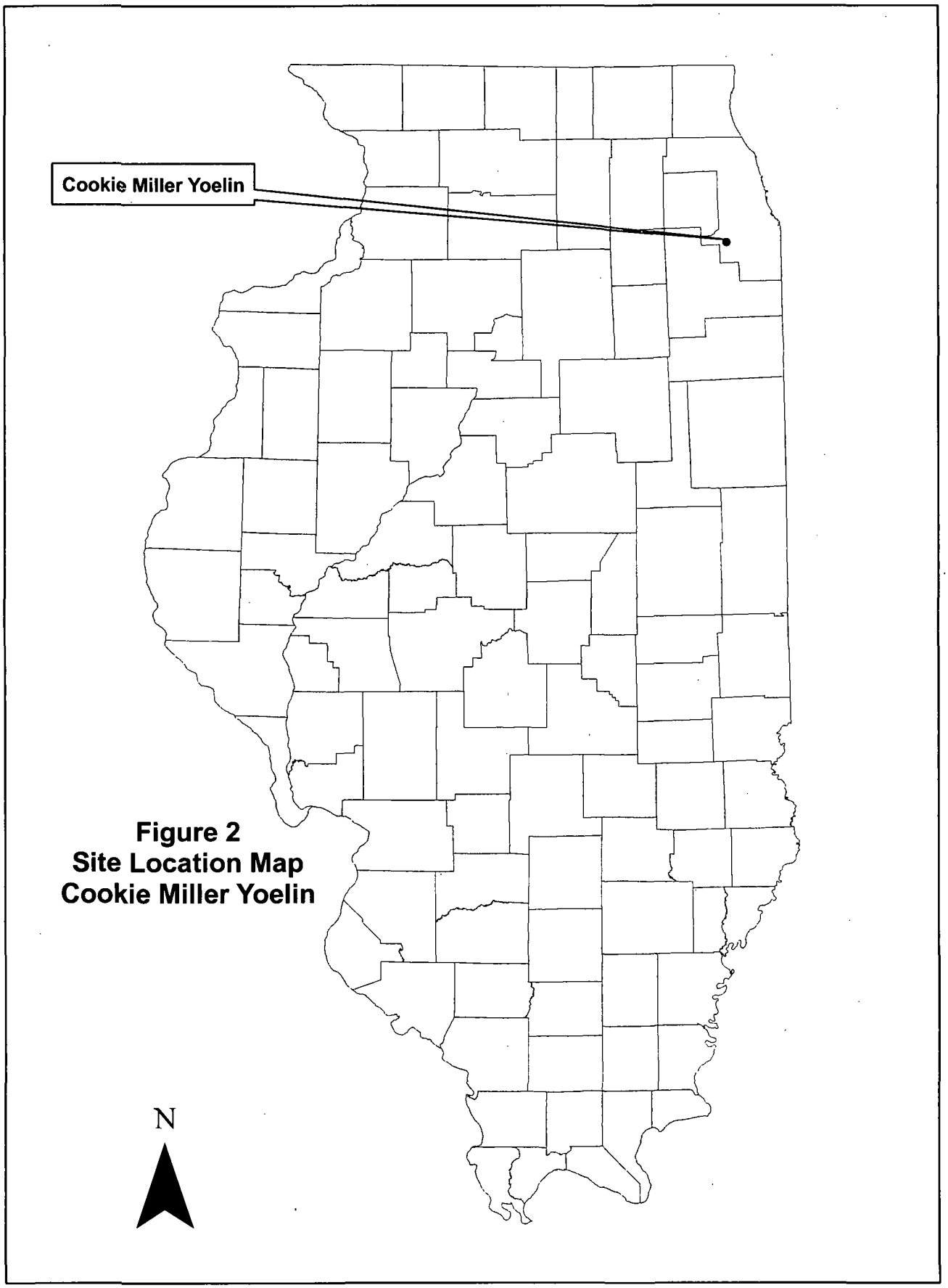

Figure 2
Site Location Map
Cookie Miller Yoelin

Figure 3
Cookie Miller Yoelin
Chicago, IL

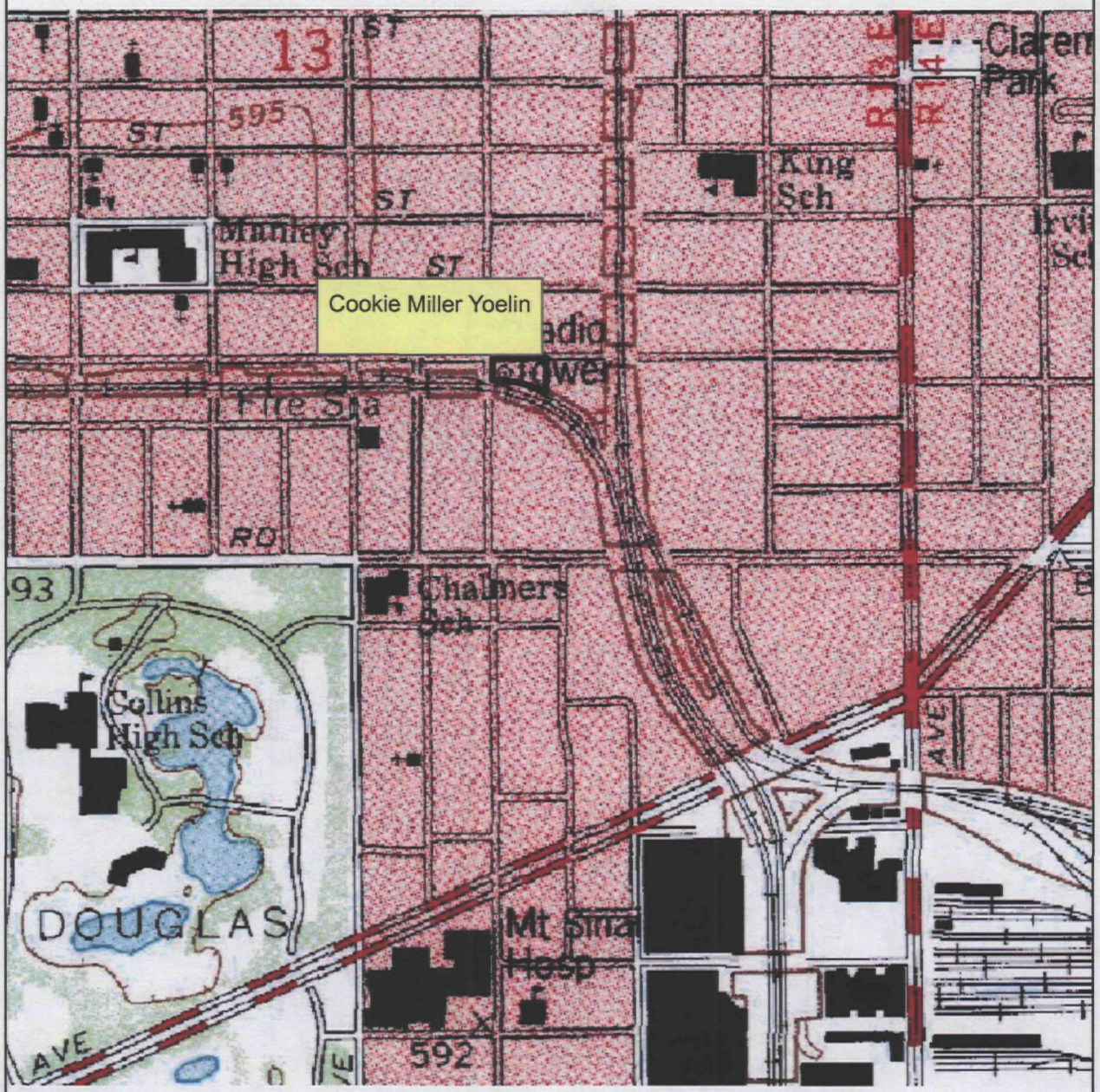

Figure 4
4-Mile Radius Map

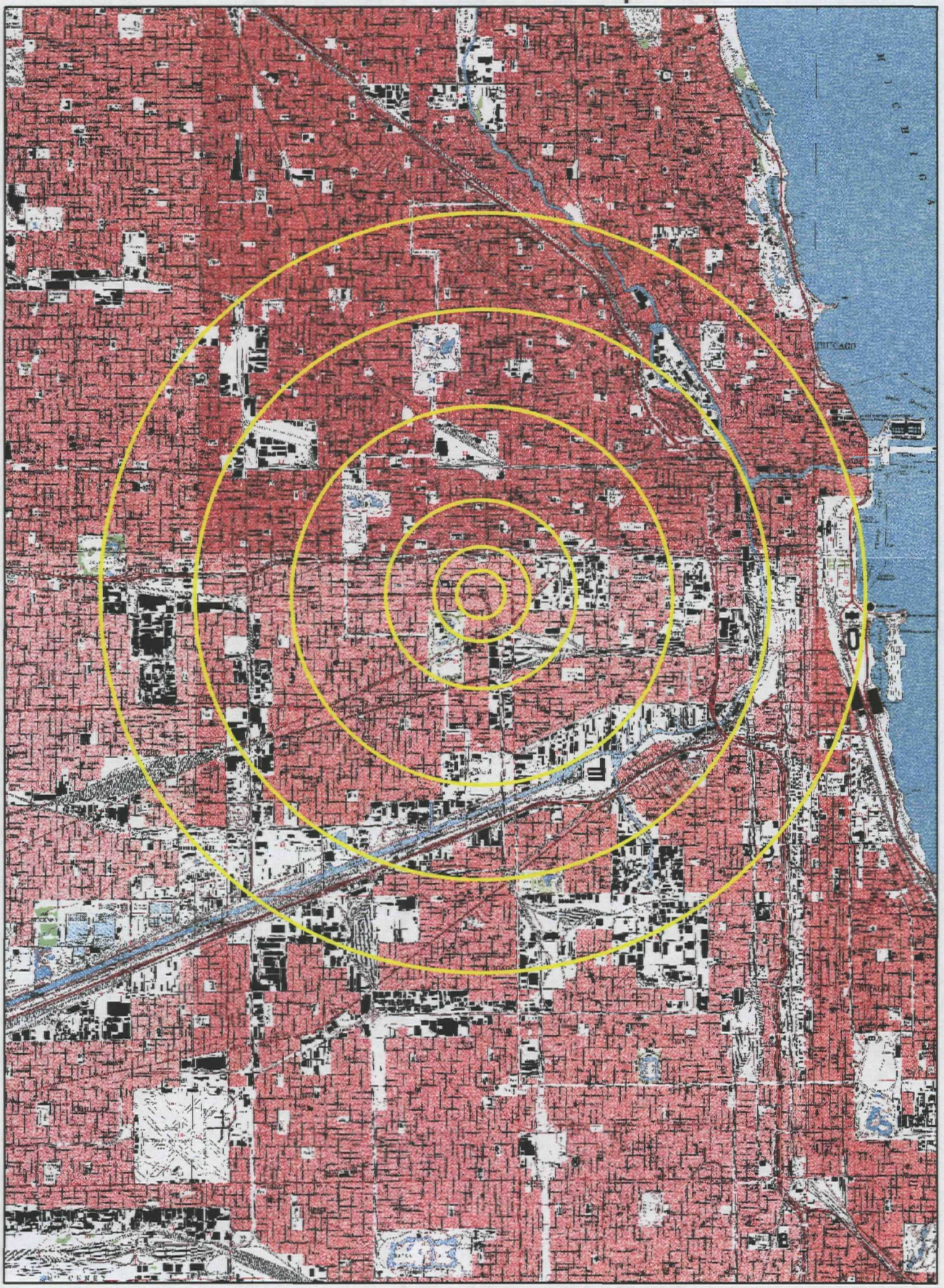

TABLE 1
COOKIE MILLER YOELIN
XRF DATA

No	Date/Time	Pb	Zn	Fe	Cr
4	3/7/2007 12:13	86.9	253.2	2169.6	<LOD
5	3/7/2007 12:17	88.2	127.3	3587.2	<LOD
6	3/7/2007 12:20	160.1	119	2289.6	<LOD
7	3/7/2007 12:25	237.4	301.4	4448	<LOD
8	3/7/2007 12:28	106.1	134.3	1748.8	<LOD
9	3/7/2007 12:31	172	127.9	4537.6	797.2
10	3/7/2007 12:35	51.9	152.7	631.2	<LOD
11	3/7/2007 12:38	30.4	69.1	624.4	<LOD
12	3/7/2007 12:41	43	90	794.4	<LOD

APPENDIX A

Vol 12 1923

2635 W. TAYLOR ST.

28

ARTHINGTON 12

TAYLOR

27

7

S. WASHTENAW AV.

S. ROCKWELL NOT OPENED

P. L. W. OF PITTSBURGH R.R. (P.C.C. & STL.)

HEYWOOD-WAKEFIELD CO.

WOOD STORAGE

WIRE GLASS SKYLIGHTS IN ROOF

No 3

SUPERIOR IRON & STEEL CO. SCRAP IRON

R R SIDING

B. & O. C. T. R.Y.

ELEVATED ON EARTH FILL

TRACKS ELEVATED ON EARTH FILL

LUMBER PILE 10 TO 35'

LUMBER PILE 10 TO 50'

LUMBER PILE 5 TO 50'

LUMBER PILE 5 TO 40'

WATER BARRELS & BUCKETS IN YARD

LUMBER PILE 10 TO 50'

8" W. PIPE

6" W. PIPE

CONCRETE AND STEEL SUBWAY

STEEL AND CONCRETE SUBWAY

FENCE

BL. SM. SHOP

TOOL NO.

WOOD PLATFORM

SIDELIGHTS RAISED 4'

1107 S. WASHINGTON AV. REAR

1131 S. WASHINGTON AV.

1105 NORTH SIDE SASH & DOOR CO. WOOD WORK 1111 1109

ROOF

D.H.

2635 W. TAYLOR ST. VOL 12 1951

28

27

ARTHINGTON 12

TAYLOR

S. WASHTENAW AV.

S. ROCKWELL NOT OPENED

8" W. PIPE

6" W. PIPE

36" W. PIPE

D.H.

2653 2643 2641 2627 2625 2613

PICKET FENCE

2-ROW WOOD POSTS EA. FL.

WOOD POSTS EA. FL.

PICKET FENCE 12' HIGH

PILASTERS

MILL CONSTR.

MERCHANDISE W. HO.

GENERAL (M.F.G. CO)

WAREHOUSE

WOOD POSTS EA. FL.

TILE ASH BIN 12' ABV. GRD.

2652 2642 2640 2630 2628 2620 2618 2610 2604 2600

STEEL CONCRETE SUBWAY

C. & W. I. R.R. (P. C. & St. L. R.R.)

P. C. & St. L. R.R. (P. L. W. OF PITTSBURGH R.R.)

TRACKS ELEVATED ON EARTH FILL

STEEL AND CONCRETE SUBWAY

2633 2629 2623 2601

PRIVATE GARAGE

2-ROW WOOD POSTS PILASTERED

SCRAP IRON YARD

"T9" (2) W. HO.

CONC. FL.

HYD. 50' 1 1/2" HOSE

BOILER RM.

"T11" ZINC REFINING

3-BR FURN'S CONC. FL. CONC. SLAB RF. STEEL TRUSSES

CONC. PLATF.

JUNK

ROFA TAYLOR

APEX

2 SCRAP METAL

JUNK

"T12" ALUMINUM FOUNDRY

CONC. FL. CONC. SLAB RF. STEEL TRUSSES PILASTD

CONC PLATF.

B. & O. C. T. RY.

JUNK YARD

OFF.

1109 S. WASHTENAW

LEVIN IRON CO. SCRAP IRON

OIL HO.

Fire Proof Constn CONC. FL. & RF. - BR. WALLS

R. R. SIDING

ELEVATED ON EARTH FILL

(BL. 2)

WALL PILASTERS 25000 GAL. GRAV. W. EG. REV. ROOF

REFRIGERATOR WARE HO. ONE ROW WOOD POSTS

NIGHT WATCH — APPR'D. CLOCK - 1 STATION - HOURLY ROUNDS

WOOD POSTS

PERFECTION SCREW PRODUCTS CO. MACH. SHOP

WATCHMAN WITH CLOCK

MITCHELL-LADISH CO. HEAVY CHEMICALS & BALED COTTON

1 HR. WALL

SIDELIGHTS RAISED 4'

WALL PILASTERED 20'-0" SPACED

OFF. & MACHINE SHOP

SCHREINER STEEL PRODUCTS CO. STEEL FABRICATING.

NO WATCHMAN. POWER & LIGHTS ELECTRIC. HEAT: STEAM IN OFFICE & MACHINE SHOP

PILASTERED WALLS

IRON TRUSS ROOF & COLUMNS

WOOD LATTICE TRUSS RF.

RAISED 4'

NO WATCHMAN NO POWER & LIGHTS EL. HEAT & STEAM

1107 S. WASHTENAW AV.

SAM'L MENDEL & BROS., METALS (S. M. M.)

MOTOR RM.

LOCKER

MOTOR RM. METAL SIDING

SIMON KRULEWITCH, INC. SCRAP IRON YARD

OFF.

OFF.

SALES

STOR.

ROLLING DOOR

4